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BULK COOLING TANKS

on farms

supplying federal milk order markets

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DAIRY DIVISION
CONSUMER AND MARKETING SERVICE
UNITED STATES DEPARTMENT OF AGRICULTURE
WASHINGTON, D.C.

C&MS-22 AUGUST 1966

BULK COOLING TANKS ON FARMS
SUPPLYING FEDERAL MILK ORDER MARKETS, JANUARY 1966

In January 1966, producers who used bulk milk cooling tanks represented nearly 78 percent of all producers who delivered milk to handlers regulated under 72 comparable Federal milk order markets. These producers delivered nearly twice as much milk per producer as did those who shipped in cans, and they supplied 86.7 percent of the total amount of milk received from producers in these markets. Daily deliveries of milk per producer for those using bulk tanks averaged 1,058 pounds, while can shippers averaged only 571 pounds per day per producer.

As shown by the following summary, conversion to bulk tanks is virtually complete in most of the 72 markets:

<u>Percentage of total deliveries received from bulk tank producers</u>	<u>Number of markets</u>
100.0	28
95.0 - 99.9	34
90.0 - 94.9	1
85.0 - 89.9	8
47.5	1

Information from a group of 64 markets for which data were available for the past six years shows the extent to which producers have converted to bulk handling of milk. In January 1961, receipts from producers having bulk tanks represented 66.6 percent of the total in this group of markets. In 1966, bulk tank milk represented 85.9 percent of total receipts from producers in the 64 markets.

The number of bulk tanks, by size, was reported for 63 markets. Producers in these markets used a total of over 89 thousand tanks, most of which (55.5 percent) had capacities of 200-399 gallons. More than one-third of the tanks had capacities of 400 gallons or more, while tanks of less than 200 gallons accounted for only 8.2 percent of the total number reported.

This report was issued in January 1958 as AMS-261, "Survey of Bulk Milk Tanks on Farms of Producers Marketing Milk in Federal Order Markets." It was issued in July 1959 as "Bulk Milk Cooling Tanks on Farms of Producers Marketing Milk in Federal Order Markets, January 1959." It was issued under its present title in June 1960. It was issued under the present title (without the AMS series number) by the Agricultural Stabilization and Conservation Service in 1961, while that agency administered the Federal milk order program. It was last issued under the present title in June 1964. The name of the agency was changed to Consumer and Marketing Service in February 1965.

Table 1.--Milk receipts from producers having bulk milk tanks as percentage of total receipts from producers by handlers regulated under Federal milk orders for the month of January, 1961-66

Marketing area	Bulk as percentage of total					
	1961	1962	1963	1964	1965	1966
NEW ENGLAND						
Massachusetts-R. I. <u>1/</u>	61.5	70.1	81.3	87.7	90.5	95.3
Connecticut	<u>2/</u>	86.1	89.2	90.3	94.9	97.6
Group total					91.6	95.9
MIDDLE ATLANTIC						
New York-New Jersey	27.2	30.5	34.5	36.1	40.9	47.5
Delaware Valley <u>3/</u>	38.8	56.3	74.6	81.0	83.1	89.2
Group total					46.9	53.5
SOUTH ATLANTIC						
Upper Chesapeake Bay	82.0	90.1	93.7	97.7	98.5	99.5
Washington, D. C.	96.7	98.0	98.0	98.2	99.0	99.3
Wheeling	55.9	73.9	90.0	91.3	91.7	95.2
Clarksburg	9.8	71.8	86.9	87.2	87.6	92.1
Tri-State	80.4	86.0	89.8	95.8	97.8	98.3
Appalachian <u>4/</u>	86.4	93.3	99.9	100.0	100.0	100.0
Tampa Bay	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	100.0
Southeastern Florida	100.0	100.0	100.0	100.0	100.0	100.0
Group total					98.3	99.0
EAST NORTH CENTRAL						
<u>Eastern Group</u>						
Upstate Michigan	81.7	97.3	97.5	98.3	100.0	100.0
Southern Michigan <u>5/</u>	69.4	73.0	78.2	84.1	91.1	95.2
Northwestern Ohio <u>6/</u>	84.9	90.4	93.2	98.2	99.5	96.9
Northeastern Ohio	48.3	56.9	65.1	73.3	82.5	88.8
Columbus	79.2	100.0	100.0	100.0	97.1	96.7
Dayton-Springfield	92.6	100.0	100.0	100.0	100.0	96.6
Cincinnati	66.5	73.1	78.8	81.0	84.1	89.7
Youngstown-Warren	<u>2/</u>	58.4	75.2	79.3	77.3	86.9
Group total					90.1	93.5
EAST NORTH CENTRAL						
<u>Western Group</u>						
Mich. Upper Peninsula	20.0	48.1	54.8	74.9	84.1	85.8
Northeastern Wisconsin	89.8	95.5	95.6	96.8	97.6	98.4
Milwaukee	93.3	96.0	99.3	99.2	99.5	99.7
Rock River Valley <u>7/</u>	100.0	100.0	93.0	99.3	100.0	100.0
Chicago	87.1	91.2	94.5	96.7	98.1	99.5
Northwestern Indiana <u>8/</u>	95.2	95.8	97.6	99.1	100.0	100.0
Fort Wayne	22.5	62.1	74.1	77.8	81.7	97.9
Louisville-Lexington-						
Evansville <u>9/</u>	92.6	95.6	98.1	99.0	99.1	99.6
Indianapolis	<u>2/</u>	76.8	92.4	91.9	95.7	98.2
Suburban St. Louis	59.7	66.7	76.2	74.7	82.3	86.3
Madison	<u>2/</u>	<u>2/</u>	97.5	95.3	96.2	96.0
Group total					97.0	98.7

Continued

Table 1.--Milk receipts from producers having bulk milk tanks as percentage of total receipts from producers by handlers regulated under Federal milk orders for the month of January, 1961-66 -Continued

Marketing area	Bulk as percentage of total					
	1961	1962	1963	1964	1965	1966
	<u>Percent</u>					
WEST NORTH CENTRAL						
<u>Northern Group</u>						
Duluth-Superior	: 61.9	67.6	70.6	76.3	80.5	87.6
Minneapolis-St. Paul	: 97.4	97.9	98.8	100.0	99.8	99.9
Eastern S. Dakota 10/	: 98.5	100.0	100.0	100.0	100.0	99.2
Black Hills	: 100.0	100.0	100.0	100.0	100.0	100.0
North Central Iowa	: 96.1	96.7	96.2	95.8	96.8	97.8
Cedar Rapids-Iowa City	: 100.0	100.0	100.0	100.0	100.0	100.0
Quad Cities-Dubuque	: 96.5	96.7	96.6	97.4	100.0	99.6
Des Moines	: 94.9	96.1	96.9	97.3	98.6	99.1
Sioux City	: 100.0	100.0	100.0	100.0	100.0	100.0
Nebr.-Western Iowa 11/	: 99.3	99.7	99.5	100.0	100.0	99.8
Group total	:				98.5	99.0
WEST NORTH CENTRAL						
<u>Southern Group</u>						
St. Joseph	: 2/	96.4	99.6	99.8	99.8	99.4
St. Louis	: 88.4	91.9	92.5	95.6	95.4	98.1
Ozarks	: 53.3	69.5	73.4	80.1	83.6	85.9
Kansas City	: 70.4	81.1	95.1	97.9	99.6	99.7
Neosho Valley	: 44.3	69.7	89.6	95.9	97.4	100.0
Wichita	: 90.6	92.8	94.1	99.3	99.6	100.0
Southwest Kansas	: 85.6	98.2	99.4	99.4	100.0	100.0
Group total	:				96.5	97.7
EAST SOUTH CENTRAL						
Paducah	: 85.5	100.0	100.0	100.0	100.0	100.0
Nashville	: 87.2	96.3	98.9	100.0	100.0	97.4
Memphis	: 68.5	85.2	96.8	100.0	100.0	100.0
Knoxville	: 59.7	95.0	99.5	99.7	99.7	99.8
Chattanooga	: 99.5	100.0	100.0	100.0	100.0	100.0
Mississippi 12/	: 78.6	88.8	95.0	92.9	98.2	98.4
Group total	:				99.5	99.0
WEST SOUTH CENTRAL						
<u>Northern Group</u>						
Central Arkansas	: 93.2	94.9	96.7	97.4	98.2	99.4
Fort Smith	: 82.0	100.0	100.0	100.0	100.0	100.0
Oklahoma Metropolitan	: 83.8	90.7	96.4	98.5	99.2	99.6
Red River Valley	: 85.1	100.0	100.0	100.0	100.0	100.0
Texas Panhandle	: 96.9	100.0	100.0	100.0	100.0	100.0
Lubbock-Plainview	: 2/	2/	100.0	100.0	100.0	100.0
Group total	:				99.4	99.7
WEST SOUTH CENTRAL						
<u>Southern Group</u>						
Northern Louisiana	: 98.7	99.2	100.0	100.0	100.0	100.0
New Orleans	: 62.2	83.3	86.7	92.9	99.5	99.7
North Texas	: 96.6	97.7	98.1	98.5	100.0	100.0

Continued

Table 1.--Milk receipts from producers having bulk milk tanks as percentage of total receipts from producers by handlers regulated under Federal milk orders for the month of January, 1961-66 -Continued

Marketing area	Bulk as percentage of total					
	1961	1962	1963	1964	1965	1966
<u>Percent</u>						
WEST SOUTH CENTRAL-Con:						
<u>Southern Group</u> -Con.						
Central West Texas	100.0	100.0	100.0	100.0	100.0	100.0
Austin-Waco	91.1	92.7	100.0	93.0	100.0	100.0
San Antonio	100.0	100.0	100.0	100.0	100.0	100.0
Corpus Christi	93.7	95.5	85.2	99.8	89.1	2/
Group total					99.9	99.9
MOUNTAIN						
Eastern Colorado <u>13/</u>	95.3	98.1	100.0	100.0	100.0	100.0
Great Basin	97.9	99.2	99.6	99.9	100.0	99.7
Western Colorado	76.4	100.0	100.0	100.0	100.0	100.0
Central Arizona	99.8	100.0	100.0	100.0	100.0	100.0
Rio Grande Valley	2/	2/	99.7	99.9	100.0	100.0
Group total					100.0	99.9
PACIFIC						
Puget Sound <u>14/</u>	98.9	99.5	99.7	99.7	99.8	99.9
Inland Empire	97.3	98.1	99.4	99.7	100.0	100.0
Group total					99.9	99.9
<u>TOTAL 15/</u>					83.6	86.7
<u>TOTAL 16/</u>	66.6	72.5	76.6	80.1	82.7	85.9

1/ Boston, Springfield, Worcester, and Southeastern New England combined prior to merger, October 1, 1964. Renamed Massachusetts-Rhode Island.

2/ Federal milk order not effective or data not available.

3/ Philadelphia and Wilmington combined prior to merger, December 1, 1963. Renamed Delaware Valley.

4/ Includes Bluefield prior to merger, March 1, 1961.

5/ Includes Muskegon prior to merger, August 1, 1965.

6/ Toledo and North Central Ohio combined prior to merger, January 1, 1965. Renamed Northwestern Ohio.

7/ Known as Rockford-Freeport prior to June 1, 1962.

8/ Known as South Bend-LaPorte-Elkhart prior to April 1, 1965.

9/ Ohio Valley and Louisville-Lexington combined prior to merger, March 1, 1962. Lexington added March 1, 1960 and Evansville added March 1, 1962.

10/ Includes Sioux Falls-Mitchell prior to merger, May 1, 1965.

11/ Omaha-Lincoln-Council Bluffs and Platte Valley combined prior to merger, November 1, 1961. Renamed Nebraska-Western Iowa.

12/ Mississippi Delta, Central Mississippi, and Mississippi Gulf Coast combined for 1961 through 1964. Mississippi order effective May 1, 1965. January 1965 data for handlers fully regulated during January 1966.

13/ Includes Colorado Springs-Pueblo prior to merger, December 1, 1965. 1961 data for Colorado Springs-Pueblo only.

14/ Data reported for November of previous year, 1961 through 1964.

15/ Percentages are for 72 markets which were regulated entire 1965-66 period.

16/ Percentages based on data for 64 markets for which reports were received for all six periods.

Table 2.--Number and percentage of producers having bulk milk tanks,
Federal milk order markets, January 1965 and January 1966

Marketing area	Number of producers		Percentage of all producers	
	1965	1966	1965	1966
NEW ENGLAND	<u>Number</u>		<u>Percent</u>	
Massachusetts-Rhode Island	8,604	8,126	83.4	90.0
Connecticut	1,980	1,933	89.3	91.3
Group total	10,584	10,059	84.4	90.3
:	:	:	:	:
MIDDLE ATLANTIC	<u>Number</u>		<u>Percent</u>	
New York-New Jersey	10,312	11,452	25.4	30.4
Delaware Valley	4,084	4,124	72.1	79.1
Group total	14,396	15,576	31.1	36.4
:	:	:	:	:
SOUTH ATLANTIC	<u>Number</u>		<u>Percent</u>	
Upper Chesapeake Bay	2,306	2,364	98.2	99.5
Washington, D. C.	1,876	1,783	96.8	97.8
Wheeling	675	687	86.1	92.2
Clarksburg	270	281	86.3	92.4
Tri-State	1,685	1,528	97.0	97.1
Appalachian	823	793	100.0	100.0
Tampa Bay	1/	179	---	100.0
Southeastern Florida	85	86	100.0	100.0
Group total	7,720	7,522	96.1	97.7
:	:	:	:	:
EAST NORTH CENTRAL	<u>Number</u>		<u>Percent</u>	
<u>Eastern Group</u>	<u>Number</u>		<u>Percent</u>	
Upstate Michigan	224	208	100.0	100.0
Southern Michigan 2/	10,424	10,177	81.8	88.9
Northwestern Ohio	1,676	1,490	98.8	92.4
Northeastern Ohio	4,009	4,165	66.5	78.0
Columbus	1,574	1,497	93.7	93.4
Dayton-Springfield	1,417	1,297	100.0	93.5
Cincinnati	2,311	2,626	74.9	82.4
Youngstown-Warren	516	600	64.5	77.5
Group total	22,151	22,060	80.0	86.3
:	:	:	:	:
EAST NORTH CENTRAL	<u>Number</u>		<u>Percent</u>	
<u>Western Group</u>	<u>Number</u>		<u>Percent</u>	
Michigan Upper Peninsula	402	390	75.9	77.7
Northeastern Wisconsin	1,263	1,348	96.9	97.8
Milwaukee	2,229	2,290	99.3	99.4
Rock River Valley	321	320	100.0	100.0
Chicago	15,347	13,561	97.0	99.0
Northwestern Indiana 3/	575	1,117	100.0	100.0
Fort Wayne	659	824	71.6	94.4
Louisville-Lex.-Evans.	3,245	3,243	99.4	99.4
Indianapolis	3,293	2,904	91.7	96.1
Suburban St. Louis	1,105	1,103	74.1	77.9
Madison	604	460	93.6	93.8
Group total	29,043	27,560	94.6	97.1

Continued

Table 2.--Number and percentage of producers having bulk milk tanks,
Federal milk order markets, January 1965 and January 1966 -Continued

Marketing area	Number of producers		Percentage of all producers	
	1965	1966	1965	1966
			Number	Percent
WEST NORTH CENTRAL				
Northern Group				
Duluth-Superior	580	604	69.2	77.6
Minneapolis-St. Paul	3,194	3,195	99.9	100.0
Eastern South Dakota 4/	449	444	100.0	98.4
Black Hills	112	110	100.0	100.0
North Central Iowa	769	805	95.8	97.0
Cedar Rapids-Iowa City	728	567	100.0	100.0
Quad Cities-Dubuque	685	594	100.0	99.5
Des Moines	908	975	97.7	98.5
Sioux City	164	169	100.0	100.0
Nebraska-Western Iowa	1,471	1,465	100.0	99.8
Group total	9,060	8,928	96.6	97.5
WEST NORTH CENTRAL				
Southern Group				
St. Joseph	390	392	99.2	98.5
St. Louis	2,429	2,418	89.0	95.5
Ozarks	779	908	74.9	74.5
Kansas City	1,913	1,823	99.5	99.7
Neosho Valley	348	332	96.1	100.0
Wichita	830	824	99.4	100.0
Southwest Kansas	221	218	100.0	100.0
Group total	6,910	6,915	92.1	94.1
EAST SOUTH CENTRAL				
Paducah	407	374	100.0	100.0
Nashville	1,264	1,263	100.0	96.4
Memphis	961	953	100.0	100.0
Knoxville	724	684	99.5	99.4
Chattanooga	679	664	100.0	100.0
Mississippi	5/1,285	1,162	96.2	96.4
Group total	5,320	5,100	99.0	98.2
WEST SOUTH CENTRAL				
Northern Group				
Central Arkansas	781	772	98.4	99.6
Fort Smith	144	150	100.0	100.0
Oklahoma Metropolitan	1,668	1,593	98.1	99.1
Red River Valley	512	516	100.0	100.0
Texas Panhandle	402	386	100.0	100.0
Lubbock-Plainview	118	106	100.0	100.0
Group total	3,625	3,523	98.7	99.5

Continued

Table 2.--Number and percentage of producers having bulk milk tanks,
Federal milk order markets, January 1965 and January 1966 -Continued

Marketing area	Number of producers		Percentage of all producers	
	1965	1966	1965	1966
WEST SOUTH CENTRAL -CON.			<u>Number</u>	
<u>Southern Group</u>			<u>Percent</u>	
Northern Louisiana	435	409	100.0	100.0
New Orleans	1,625	1,507	99.3	99.5
North Texas	2,004	1,891	100.0	100.0
Central West Texas	344	328	100.0	100.0
Austin-Waco	222	511	100.0	100.0
San Antonio	420	397	100.0	100.0
Corpus Christi	270	1/	77.8	---
Group total	5,050	5,043	99.8	99.9
MOUNTAIN				
Eastern Colorado 6/	1,529	1,739	100.0	100.0
Great Basin	1,124	1,081	99.9	99.7
Western Colorado	101	93	100.0	100.0
Central Arizona	252	237	100.0	100.0
Rio Grande Valley	243	239	100.0	100.0
Group total	3,249	3,389	100.0	99.9
PACIFIC				
Puget Sound	2,603	2,429	99.5	99.9
Inland Empire	552	515	100.0	100.0
Group total	3,155	2,944	99.6	99.9
TOTAL 7/	120,263	118,619	73.9	77.9

1/ Federal milk order not effective or data not available.

2/ Includes Muskegon prior to merger, August 1, 1965.

3/ Known as South Bend-LaPorte-Elkhart prior to April 1, 1965.

4/ Includes Sioux Falls-Mitchell prior to merger, May 1, 1965.

5/ Based on data for handlers fully regulated during January 1966.

6/ Includes Colorado Springs-Pueblo prior to merger, December 1, 1965.

7/ Data based on 72 markets which were regulated entire 1965-66 period.

Table 3.--Average daily deliveries per producer by bulk tank and can shippers, Federal milk order markets, January 1965 and January 1966

Marketing area	Bulk tanks		Cans		Ratio bulk to can	
	1965	1966	1965	1966	1965	1966
	<u>Pounds</u>		<u>Pounds</u>		<u>Ratio</u>	
NEW ENGLAND						
Massachusetts-R. I.	933	1,007	494	445	1.89	2.26
Connecticut	1,492	1,575	670	411	2.23	3.83
Group total	1,037	1,116	515	439	2.01	2.54
MIDDLE ATLANTIC						
New York-New Jersey	1,283	1,265	630	610	2.04	2.07
Delaware Valley	1,088	1,104	569	508	1.91	2.17
Group total	1,228	1,222	627	606	1.96	2.02
SOUTH ATLANTIC						
Upper Chesapeake Bay	978	947	816	975	1.20	.97
Washington, D. C.	1,442	1,462	424	454	3.40	3.22
Wheeling	644	678	359	404	1.79	1.68
Clarksburg	700	730	622	767	1.13	.95
Tri-State	658	705	481	402	1.37	1.75
Appalachian	931	958	0	0	---	---
Tampa Bay	1/	5,771	1/	0	---	---
Southeastern Florida	17,465	17,428	0	0	---	---
Group total	1,150	1,177	491	501	2.34	2.35
EAST NORTH CENTRAL						
<u>Eastern Group</u>						
Upstate Michigan	739	769	0	0	---	---
Southern Michigan 2/	967	962	423	392	2.29	2.45
Northwestern Ohio	1,012	1,022	425	402	2.38	2.54
Northeastern Ohio	946	975	400	436	2.36	2.24
Columbus	932	964	418	467	2.23	2.06
Dayton-Springfield	897	942	0	479	---	1.97
Cincinnati	634	665	356	357	1.78	1.86
Youngstown-Warren	908	906	485	471	1.87	1.92
Group total	921	929	408	410	2.26	2.27
EAST NORTH CENTRAL						
<u>Western Group</u>						
Mich. Upper Peninsula	686	670	408	386	1.68	1.74
Northeastern Wisconsin	1,066	1,006	816	752	1.31	1.34
Milwaukee	1,127	1,132	769	656	1.48	1.73
Rock River Valley	1,143	1,179	0	0	---	---
Chicago	1,097	1,058	693	561	1.58	1.89
Northwestern Indiana 3/	919	933	0	0	---	---
Fort Wayne	1,004	954	567	346	1.77	2.76
Louisville-Lex.-Evans.	759	782	459	590	1.65	1.33
Indianapolis	854	834	423	386	2.02	2.16
Suburban St. Louis	645	707	397	397	1.62	1.78
Madison	1,222	1,106	715	698	1.71	1.58
Group total	1,003	980	543	450	1.85	2.18

Continued

Table 3.--Average daily deliveries per producer by bulk tank and can shippers, Federal milk order markets, January 1965 and January 1966 -Continued

Marketing area	Bulk tanks		Cans		Ratio bulk to can							
	1965	1966	1965	1966	1965	1966						
	<u>Pounds</u>		<u>Pounds</u>		<u>Ratio</u>							
WEST NORTH CENTRAL												
<u>Northern Group</u>												
Duluth-Superior	646	615	352	303	1.84	2.03						
Minneapolis-St. Paul	1,022	914	1,385	2,087	.74	.44						
Eastern South Dakota 4/	1,197	1,237	0	649	---	1.91						
Black Hills	1,186	1,243	0	0	---	---						
North Central Iowa	1,108	1,013	841	717	1.32	1.41						
Cedar Rapids-Iowa City	990	956	0	0	---	---						
Quad Cities-Dubuque	1,079	1,059	0	774	---	1.37						
Des Moines	985	941	607	566	1.62	1.66						
Sioux City	1,228	1,208	0	0	---	---						
Nebraska-Western Iowa	1,045	987	0	753	---	1.31						
Group total	1,022	956	434	396	2.35	2.41						
WEST NORTH CENTRAL												
<u>Southern Group</u>												
St. Joseph	1,069	1,052	254	413	4.21	2.55						
St. Louis	925	956	361	380	2.56	2.52						
Ozarks	713	717	416	346	1.71	2.07						
Kansas City	1,047	1,069	810	842	1.29	1.27						
Neosho Valley	855	997	560	0	1.53	---						
Wichita	1,126	1,115	617	0	1.82	---						
Southwest Kansas	1,242	1,146	0	0	---	---						
Group total	955	961	400	362	2.39	2.65						
EAST SOUTH CENTRAL												
Paducah	685	763	0	0	---	---						
Nashville	851	888	0	640	---	1.39						
Memphis	1,057	1,166	0	0	---	---						
Knoxville	852	895	461	327	1.85	2.74						
Chattanooga	879	956	0	0	---	---						
Mississippi	5/ 852	961	5/ 395	401	2.16	2.40						
Group total	846	912	399	516	2.12	1.77						
WEST SOUTH CENTRAL												
<u>Northern Group</u>												
Central Arkansas	939	1,062	796	1,095	1.18	.97						
Fort Smith	1,048	1,095	0	0	---	---						
Oklahoma Metropolitan	920	1,011	357	487	2.58	2.08						
Red River Valley	1,053	1,116	0	0	---	---						
Texas Panhandle	1,322	1,388	0	0	---	---						
Lubbock-Plainview	1,960	2,201	0	0	---	---						
Group total	986	1,041	481	594	2.05	1.75						

Continued

Table 3.--Average daily deliveries per producer by bulk tank and can shippers, Federal milk order markets, January 1965 and January 1966 -Continued

Marketing area	Bulk tanks		Cans		Ratio bulk to can	
	1965	1966	1965	1966	1965	1966
WEST SOUTH CENTRAL-Can:	<u>Pounds</u>		<u>Pounds</u>		<u>Ratio</u>	
Southern Group	:		:		:	
Northern Louisiana	:	1,338	1,391	0	0	---
New Orleans	:	818	889	565	498	1.45
North Texas	:	1,403	1,490	0	0	---
Central West Texas	:	1,433	1,522	0	0	---
Austin-Waco	:	1,849	1,421	0	0	---
San Antonio	:	1,953	2,043	0	0	---
Corpus Christi	:	1,765	<u>1/</u>	754	<u>1/</u>	2.34
Group total	:	1,268	1,294	566	498	2.24
	:					2.60
MOUNTAIN	:		:		:	
Eastern Colorado <u>6/</u>	:	1,180	970	0	0	---
Great Basin	:	983	948	304	894	3.23
Western Colorado	:	1,339	1,235	0	0	---
Central Arizona	:	5,510	5,885	0	0	---
Rio Grande Valley	:	3,037	2,991	0	0	---
Group total	:	1,592	1,466	304	894	5.24
	:					1.64
PACIFIC	:		:		:	
Puget Sound	:	1,234	1,404	383	1,174	3.22
Inland Empire	:	866	960	0	0	---
Group total	:	1,169	1,326	383	1,174	3.05
TOTAL <u>7/</u>	:	1,050	1,058	584	571	1.80
	:					1.85

1/ Federal milk order not effective or data not available.

2/ Includes Muskegon prior to merger, August 1, 1965.

3/ Known as South Bend-LaPorte-Elkhart prior to April 1, 1965.

4/ Includes Sioux Falls-Mitchell prior to merger, May 1, 1965.

5/ Based on data for handlers fully regulated during January 1966.

6/ Includes Colorado Springs-Pueblo prior to merger, December 1, 1965.

7/ Data based on 72 markets which were regulated entire 1965-66 period.

Table 4.--Number of bulk milk tanks, according to size, Federal milk order markets where tank size was reported, January 1966

Marketing area	Size of tank (gallons)										<u>Total</u> <u>27</u>
	: Under : 150	: 150- : 199	: 200- : 299	: 300- : 399	: 400- : 499	: 500- : 599	: 600- : 699	: 700- : 999	: 1,000- : more		
	<u>Number</u>										
NEW ENGLAND	:										
Massachusetts-R. I.	:	170	740	1,834	2,126	1,564	912	408	219	98	8,197
MIDDLE ATLANTIC	:										
Delaware Valley	:	39	100	426	1,197	1,296	783	441	145	62	4,489
SOUTH ATLANTIC	:										
Upper Chesapeake Bay	:	12	131	574	801	487	207	101	40	14	2,385
Washington, D. C.	:	0	91	08	542	505	295	125	49	25	1,940
Tri-State	:	44	250	532	416	176	105	32	12	6	1,573
Appalachian	:	9	48	180	264	133	89	34	28	8	793
Tampa Bay	:	0	0	3	20	21	20	38	40	119	261
Southeastern Florida	:	0	0	0	0	0	0	0	0	105	105
EAST NORTH CENTRAL	:										
<u>Eastern Group</u>	:										
Upstate Michigan	:	6	8	92	46	36	18	0	1	1	208
Southern Michigan	:	107	434	3,203	3,492	2,029	710	83	14	9	10,177
Northwestern Ohio	:	53	125	466	349	243	204	30	13	7	1,490
Northeastern Ohio	:	34	160	1,011	1,307	1,103	351	131	53	10	4,165
Columbus	:	17	150	449	425	265	137	54	35	23	1,563
Dayton-Springfield	:	10	154	505	347	173	69	21	14	9	1,303
Cincinnati	:	126	523	1,001	606	222	91	44	0	13	2,626
Youngstown-Warren	:	4	14	96	205	179	67	22	10	3	600
<u>Western Group</u>	:										
Michigan Upper Peninsula	:	4	19	139	117	79	22	9	0	1	390
Northeastern Wisconsin	:	20	126	500	396	202	55	16	5	1	1,348
Milwaukee	:	59	429	941	474	221	101	51	18	1	2,304
Northwestern Indiana	:	33	151	528	228	122	34	16	3	2	1,117
Fort Wayne	:	2	25	204	321	126	57	28	1	2	824
Louisville-Lex.-Evans.	:	54	595	1,483	700	272	135	1	17	4	3,261
Indianapolis	:	38	247	1,046	774	489	184	85	26	15	2,904
Suburban St. Louis	:	5	76	400	252	184	90	41	15	6	1,103
Madison	:	2	32	132	148	87	35	13	10	2	461
WEST NORTH CENTRAL	:										
<u>Northern Group</u>	:										
Duluth-Superior	:	28	48	220	236	50	12	7	2	1	604
Minneapolis-St. Paul	:	24	97	695	1,397	673	188	76	31	2	3,201
Eastern South Dakota	:	1	16	94	154	96	43	27	8	4	444
Black Hills	:	1	0	36	32	25	13	10	3	2	122
North Central Iowa	:	1	20	174	248	223	94	27	14	4	805
Cedar Rapids-Iowa City	:	0	49	159	180	99	68	7	4	1	567
Quad Cities-Dubuque	:	0	18	202	251	86	34	2	1	0	594
Des Moines	:	14	65	270	302	158	93	43	22	8	975
Sioux City	:	0	0	4	31	62	41	14	13	6	171
Nebraska-Western Iowa	:	10	95	324	538	269	193	11	12	2	1,465
<u>Southern Group</u>	:										
St. Joseph	:	2	9	60	101	110	57	24	14	3	392
St. Louis	:	36	94	979	585	398	174	87	38	27	2,418
Ozarks	:	0	18	189	320	223	88	32	33	5	908
Kansas City	:	6	59	266	625	468	238	90	48	23	1,823
Neosho Valley	:	1	8	59	83	105	30	35	6	5	332
Wichita	:	10	62	261	177	132	84	48	35	15	824
Southwest Kansas	:	1	2	38	36	42	30	30	34	5	218

Continued

Table 4.--Number of bulk milk tanks, according to size, Federal milk order markets where tank size was reported, January 1966 -Continued

Marketing area	Size of tank (gallons)										Total 2/
	: Under : 150-	: 150	: 199	: 200-	: 299	: 300-	: 399	: 400-	: 499	: 500-	
EAST SOUTH CENTRAL	<u>Number</u>										
Paducah	:	1	55	137	66	68	36	10	1	0	374
Nashville	:	26	129	465	356	149	111	34	18	15	1,303
Memphis	:	3	34	166	353	195	105	46	24	14	979
Knoxville	:	23	68	213	206	88	64	19	12	6	699
Chattanooga	:	15	99	203	199	82	60	35	15	5	713
Mississippi	:	10	49	288	345	258	134	71	32	11	1,199
	:										
WEST SOUTH CENTRAL	:										
<u>Northern Group</u>	:										
Central Arkansas	:	5	17	128	238	122	51	15	20	1	772
Fort Smith	:	0	1	35	64	31	19	0	0	0	150
Oklahoma Metropolitan	:	8	68	346	409	405	217	73	44	26	1,602
Red River Valley	:	2	9	73	161	113	58	46	32	22	516
	:										
<u>Southern Group</u>	:										
Northern Louisiana	:	7	11	97	142	78	48	32	20	7	444
New Orleans	:	16	64	427	508	336	91	29	9	4	1,488
Austin-Waco	:	2	6	43	42	55	38	38	17	13	490
San Antonio	:	0	4	32	42	59	73	54	48	45	396
	:										
MOUNTAIN	:										
Eastern Colorado	:	11	36	331	236	200	101	54	47	27	1,755
Great Basin	:	7	55	272	298	180	117	84	74	39	1,126
Western Colorado	:	0	2	22	22	2	16	3	7	15	93
Central Arizona	:	0	1	1	21	42	34	19	40	105	263
Rio Grande Valley	:	0	2	33	48	26	29	37	19	45	239
	:										
PACIFIC	:										
Puget Sound 1/	:	49	125	558	622	429	210	185	165	149	2,492
Inland Empire	:	11	15	125	176	102	52	33	14	4	540
Total (63 markets)	:	1,179	6,138	24,078	25,403	16,453	7,915	3,311	1,744	1,212	89,083

1/ Data for the month of December 1965.

2/ Total number of tanks reported. Includes some tanks for which size was unknown.

Table 5.--Number of tank trucks, by type of owner, collecting milk from farm bulk tanks,
Federal milk order markets, January 1966

Marketing area			Cooperative				
			associations				
	Milk	of producers		Inde-			
	companies		Not	pend-		Other	Total
		Operating	operating	pend-		1/	
		plants	plants	haul		:	
				ers		:	
						:	
					<u>Number</u>		
NEW ENGLAND							
Connecticut		21	43	0	57	0	121
MIDDLE ATLANTIC							
Delaware Valley		28	1	0	166	3	198
SOUTH ATLANTIC							
Upper Chesapeake Bay		12	15	2	117	0	146
Washington, D. C.		2	9	0	78	0	89
Wheeling		8	2	12	10	0	32
Clarksburg		0	0	11	4	0	15
Tri-State		8	3	28	47	0	86
Appalachian		2	0	54	1	0	57
Tampa Bay		21	2	7	12	8	50
Southeastern Florida		2	0	0	27	23	52
EAST NORTH CENTRAL							
<u>Eastern Group</u>							
Upstate Michigan		3	0	6	2	0	11
Southern Michigan		24	19	0	427	5	475
Northwestern Ohio		10	1	0	70	0	81
Northeastern Ohio		4	0	0	232	0	236
Columbus		8	0	3	72	0	83
Dayton-Springfield		8	2	0	49	0	59
Youngstown-Warren		1	0	19	10	0	30
<u>Western Group</u>							
Mich. Upper Peninsula		3	2	10	2	2	19
Northeastern Wisconsin		26	0	0	49	0	75
Milwaukee		3	3	0	110	0	116
Northwestern Indiana		26	0	0	45	0	71
Fort Wayne		3	0	0	31	0	34
Louisville-Lex.-Evans.		12	0	14	125	0	151
Indianapolis		24	0	9	98	0	131
Suburban St. Louis		0	0	3	50	0	53
Madison		4	9	0	15	2	30
WEST NORTH CENTRAL							
<u>Northern Group</u>							
Duluth-Superior		1	3	3	19	0	26
Minneapolis-St. Paul		0	42	0	83	0	125
Eastern South Dakota		3	1	2	19	0	25
Black Hills		1	0	7	0	0	8
North Central Iowa		12	8	3	23	0	46
Cedar Rapids-Iowa City		19	13	0	1	0	33
Quad Cities-Dubuque		6	23	0	7	0	36
Des Moines		4	43	0	1	0	48
Sioux City		0	0	11	0	0	11
Nebraska-Western Iowa		1	0	0	63	0	64

Continued

Table 5.--Number of tank trucks, by type of owner, collecting milk from farm bulk tanks,
Federal milk order markets, January 1966 -Continued

Marketing area			Cooperative associations				
	Milk companies	of producers	Operating plants	Not operating plants	Independent haulers	Other 1/	Total
<u>Number</u>							
WEST NORTH CENTRAL-Con.:							
<u>Southern Group</u>							
St. Joseph	0	0	14	6	0	0	20
St. Louis	3	3	0	146	0	0	152
Ozarks	0	34	5	8	0	0	47
Kansas City	1	9	68	5	0	0	83
Neosho Valley	0	0	19	0	0	0	19
Wichita	1	0	26	0	0	0	27
Southwest Kansas	0	0	9	0	0	0	9
 EAST SOUTH CENTRAL							
Paducah	2	0	17	2	1	0	22
Nashville	4	0	0	57	0	0	61
Memphis	0	0	41	33	0	0	74
Knoxville	0	0	28	3	0	0	31
Chattanooga	6	0	24	0	0	0	30
Mississippi	16	24	6	12	0	0	58
 WEST SOUTH CENTRAL							
<u>Northern Group</u>							
Central Arkansas	0	0	37	0	0	0	37
Fort Smith	0	0	6	0	0	0	6
Oklahoma Metropolitan	15	9	36	3	4	0	67
Red River Valley	7	2	14	6	1	0	30
Texas Panhandle	0	0	21	7	0	0	28
Lubbock-Plainview	2	0	6	0	0	0	8
 <u>Southern Group</u>							
Northern Louisiana	2	0	0	26	0	0	28
New Orleans	8	2	0	38	0	0	48
North Texas	7	0	126	8	5	0	146
Central West Texas	0	0	31	0	1	0	32
Austin-Waco	12	0	4	0	2	0	18
San Antonio	0	6	1	34	0	0	41
 MOUNTAIN							
Great Basin	4	54	0	1	0	0	59
Western Colorado	2	0	4	1	0	0	7
Central Arizona	31	11	0	12	7	0	61
Rio Grande Valley	15	0	10	9	16	0	50
 PACIFIC							
Puget Sound	21	37	2	58	4	0	122
Inland Empire	8	6	0	16	0	0	30
TOTAL (67 markets)	477	441	759	2,613	84	4,374	

1/ Independent producers or cooperative producer hauling associations.

Table 6.--Percentage of bulk tank truck routes on which milk is collected every other day and percentage of can routes on which milk is collected daily, Federal milk order markets, January 1966

Marketing area	Routes		Marketing area	Routes	
	Bulk	Can		Bulk	Can
	every	daily		other	daily
	day	:		day	:
	<u>Percent</u>			<u>Percent</u>	
NEW ENGLAND			WEST NORTH CENT. -Con.		
Massachusetts-R. I.	99	99	Northern Group -Con.		
Connecticut	96	100	Quad Cities-Dubuque	95	100
			Des Moines	97	100
MIDDLE ATLANTIC			Sioux City	98	0
Delaware Valley	95	100	Nebraska-Western Iowa	98	100
			St. Joseph	100	100
SOUTH ATLANTIC			St. Louis	100	100
Upper Chesapeake Bay	87	100	Ozarks	100	100
Washington, D. C.	55	100	Kansas City	100	100
Wheeling	92	95	Neosho Valley	100	0
Clarksburg	92	95	Wichita	87	0
Tri-State	99	100	Southwest Kansas	100	0
Appalachian	100	0			
Tampa Bay	63	0	EAST SOUTH CENTRAL		
Southeastern Florida	58	0	Paducah	100	0
			Nashville	100	100
EAST NORTH CENTRAL			Memphis	98	0
<u>Eastern Group</u>			Knoxville	98	0
Upstate Michigan	100	0	Chattanooga	100	0
Southern Michigan	84	100	Mississippi	93	96
Northwestern Ohio	96	100			
Northeastern Ohio	95	100	WEST SOUTH CENTRAL		
Columbus	100	100	<u>Northern Group</u>		
Dayton-Springfield	87	100	Central Arkansas	100	100
Youngstown-Warren	97	95	Fort Smith	100	0
			Oklahoma Metropolitan	100	100
<u>Western Group</u>			Red River Valley	100	0
Michigan Upper Peninsula	100	100	Texas Panhandle	99	0
Northeastern Wisconsin	80	100	Lubbock-Plainview	95	0
Milwaukee	48	100			
Northwestern Indiana	48	0	<u>Southern Group</u>		
Fort Wayne	82	100	Northern Louisiana	80	0
Louisville-Lexington-			New Orleans	92	57
Evansville	92	100	North Texas	70	0
Indianapolis	100	100	Central West Texas	100	0
Suburban St. Louis	100	100	Austin-Waco	82	0
Madison	83	100	San Antonio	74	0
WEST NORTH CENTRAL					
<u>Northern Group</u>			MOUNTAIN		
Duluth-Superior	100	25	Eastern Colorado	71	0
Minneapolis-St. Paul	83	100	Great Basin	100	100
Eastern South Dakota	85	100	Western Colorado	95	0
Black Hills	93	0	Central Arizona	14	0
North Central Iowa	100	100	Rio Grande Valley	77	0
Cedar Rapids-Iowa City	100	0			
			PACIFIC		
			Puget Sound	89	100
			Inland Empire	97	0